

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	54	pervasive adj developmental adj disorder	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:50			0
2	BRS	L2	4642	(autistic or psychotic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:51			0
3	BRS	L4	2113	nitroimidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
4	BRS	L5	2805	metronidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
5	BRS	L6	294	tinidazole or ornidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
6	BRS	L7	0	1 same (4 or 5 or 6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
7	BRS	L3	33	1 same 2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:53			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	0	pers/vasive adj developmental adj disorder	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:54			0
2	BRS	L2	4642	autistic or psychotic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:54			0
3	BRS	L3	1301	developmental adj disorder	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:54			0
4	BRS	L4	88	2 same 3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:55			0
5	BRS	L5	2805	metronidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:55			0
6	BRS	L6	294	tinidazole or ornidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:56			0
7	BRS	L7	2113	nitroimidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:56			0
8	BRS	L9	0	2 same (6 or 7)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:02			0
9	BRS	L10	0	2 same 7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:57			0
10	BRS	L8	4	2 same 5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:01			0
11	BRS	L11	1	3 same 5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:01			0
12	BRS	L12	1	3 same (6 or 7)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:03			0
13	BRS	L13	1	3 same 7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:06			0
14	BRS	L14	1	Bolte adj ellen.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:07			0

FILE 'MEDLINE' ENTERED AT 12:40:27 ON 29 JUL 2003

FILE 'CAPLUS' ENTERED AT 12:40:47 ON 29 JUL 2003
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FILE 'AGRICOLA' ENTERED AT 12:40:47 ON 29 JUL 2003

=> s pervasive developmental disorder
L1 2081 PERVASIVE DEVELOPMENTAL DISORDER

=> s nitroimidazole
L2 11320 NITROIMIDAZOLE

=> s metronidazole
L3 55148 METRONIDAZOLE

=> s tinidazole or ornidazole
L4 6987 TINIDAZOLE OR ORNIDAZOLE

=> s l1 (p) (l2 or l3 or l4)
L5 0 L1 (P) (L2 OR L3 OR L4)

=> d his

(FILE 'HOME' ENTERED AT 12:40:27 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
12:40:47 ON 29 JUL 2003

L1 2081 S PERVASIVE DEVELOPMENTAL DISORDER
L2 11320 S NITROIMIDAZOLE
L3 55148 S METRONIDAZOLE
L4 6987 S TINIDAZOLE OR ORNIDAZOLE
L5 0 S L1 (P) (L2 OR L3 OR L4)

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
16.95

TOTAL
SESSION
17.16

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 12:42:42 ON 29 JUL 2003

\$

FILE 'MEDLINE' ENTERED AT 12:44:58 ON 29 JUL 2003

FILE 'CAPLUS' ENTERED AT 12:44:58 ON 29 JUL 2003
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FILE 'SCISEARCH' ENTERED AT 12:44:58 ON 29 JUL 2003
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FILE 'AGRICOLA' ENTERED AT 12:44:58 ON 29 JUL 2003

=> s pervasive developmental disorder
L1 2081 PERVASIVE DEVELOPMENTAL DISORDER

=> s autistic or autism
L2 25687 AUTISTIC OR AUTISM

=> s l1 (p) l2
L3 1192 L1 (P) L2

=> s psychotic
L4 57768 PSYCHOTIC

=> s l1 (p) l4
L5 53 L1 (P) L4

=> s l1 Not (l3 or l5)
L6 854 L1 NOT (L3 OR L5)

=> duplicate remove l6
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L6
L7 504 DUPLICATE REMOVE L6 (350 DUPLICATES REMOVED)

=> s l7 (p) diagnos?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L44 (P) DIAGNOS?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L46 (P) DIAGNOS?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L48 (P) DIAGNOS?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L50 (P) DIAGNOS?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L52 (P) DIAGNOS?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L54 (P) DIAGNOS?'
L8 243 L7 (P) DIAGNOS?

=> s l8 (p) treat?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L45 (P) TREAT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L47 (P) TREAT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L49 (P) TREAT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L51 (P) TREAT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L53 (P) TREAT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L55 (P) TREAT?'
L9 77 L8 (P) TREAT?

=> d his

(FILE 'HOME' ENTERED AT 12:44:06 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
12:44:58 ON 29 JUL 2003

L1 2081 S PERVASIVE DEVELOPMENTAL DISORDER
L2 25687 S AUTISTIC OR AUTISM
L3 1192 S L1 (P) L2
L4 57768 S PSYCHOTIC
L5 53 S L1 (P) L4
L6 854 S L1 NOT (L3 OR L5)
L7 504 DUPLICATE REMOVE L6 (350 DUPLICATES REMOVED)
L8 243 S L7 (P) DIAGNOS?
L9 77 S L8 (P) TREAT?

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

22.86

23.28

STN INTERNATIONAL LOGOFF AT 12:50:44 ON 29 JUL 2003

FILE 'MEDLINE' ENTERED AT 12:14:30 ON 29 JUL 2003

FILE 'CAPLUS' ENTERED AT 12:14:30 ON 29 JUL 2003
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FILE 'AGRICOLA' ENTERED AT 12:14:30 ON 29 JUL 2003

=> s pervasive developmental disorder
L1 0 PERSVASIVE DEVELOPMENTAL DISORDER

=> s autistic disorder
L2 9512 AUTISTIC DISORDER

=> s psychotic disorder
L3 23448 PSYCHOTIC DISORDER

=> s nitroimidazole
L4 11320 NITROIMIDAZOLE

=> s metronidazole
L5 55148 METRONIDAZOLE

=> s (l2 or l3) (p) l5
L6 3 (L2 OR L3) (P) L5

=> duplicate remove l6
DUPLICATE PREFERENCE IS 'MEDLINE, EMBASE, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L6
L7 2 DUPLICATE REMOVE L6 (1 DUPLICATE REMOVED)

=> d l7 1-2 ibib abs

L7 ANSWER 1 OF 2 MEDLINE on STN
ACCESSION NUMBER: 97390557 MEDLINE
DOCUMENT NUMBER: 97390557 PubMed ID: 9247414
TITLE: ***Metronidazole*** -induced ***psychotic***
disorder
AUTHOR: Schreiber W; Spernal J
SOURCE: AMERICAN JOURNAL OF PSYCHIATRY, (1997 Aug) 154 (8) 1170-1.
Journal code: 0370512. ISSN: 0002-953X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Letter
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199708
ENTRY DATE: Entered STN: 19970902
Last Updated on STN: 19970902
Entered Medline: 19970815

L7 ANSWER 2 OF 2 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V. on STN DUPLICATE
1
ACCESSION NUMBER: 97235352 EMBASE
DOCUMENT NUMBER: 1997235352
TITLE: ***Metronidazole*** -induced ***psychotic***
disorder [5].
AUTHOR: Schreiber W.; Spernal J.
SOURCE: American Journal of Psychiatry, (1997) 154/8 (1170-1171).
Refs: 4
ISSN: 0002-953X CODEN: AJPSAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Letter
FILE SEGMENT: 004 Microbiology
010 Obstetrics and Gynecology
032 Psychiatry

037 Drug Literature Index
038 Adverse Reactions Titles
English

LANGUAGE:

=> s trinidadazole or ornidazole
L8 2046 TRINIDAZOLE OR ORNIDAZOLE

=> d his

(FILE 'HOME' ENTERED AT 12:14:07 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
12:14:30 ON 29 JUL 2003

L1 0 S PERSVASIVE DEVELOPMENTAL DISORDER
L2 9512 S AUTISTIC DISORDER
L3 23448 S PSYCHOTIC DISORDER
L4 11320 S NITROIMIDAZOLE
L5 55148 S METRONIDAZOLE
L6 3 S (L2 OR L3) (P) L5
L7 2 DUPLICATE REMOVE L6 (1 DUPLICATE REMOVED)
L8 2046 S TRINIDAZOLE OR ORNIDAZOLE

=> s (l2 or l3) (p) l8
L9 0 (L2 OR L3) (P) L8

=> s (l2 or l3) (p) l4
L10 0 (L2 OR L3) (P) L4

=> s misonidazole or etanidazole or nimorazole
L11 8971 MISONIDAZOLE OR ETANIDAZOLE OR NIMORAZOLE

=> s (L2 OR L3) (P) L11
L12 0 (L2 OR L3) (P) L11

=> s bolte ellen/au
L13 2 BOLTE ELLEN/AU

=> duplicate remove l13
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L13
L14 1 DUPLICATE REMOVE L13 (1 DUPLICATE REMOVED)

=> d l14 1 ibib abs

L14 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2002437893 MEDLINE
DOCUMENT NUMBER: 22161938 PubMed ID: 12173102
TITLE: Gastrointestinal microflora studies in late-onset autism.
AUTHOR: Finegold Sydney M; Molitoris Denise; Song Yuli; Liu
Chengxu; Vaisanen Marja-Liisa; ***Bolte Ellen*** ;
McTeague Maureen; Sandler Richard; Wexler Hannah; Marlowe
Elizabeth M; Collins Matthew D; Lawson Paul A; Summanen
Paula; Baysallar Mehmet; Tomzynski Thomas J; Read Erik;
Johnson Eric; Rolfe Rial; Nasir Palwasha; Shah Haroun;
Haake David A; Manning Patricia; Kaul Ajay
CORPORATE SOURCE: Infectious Diseases Section, Veterans Affairs Medical
Center, West Los Angeles, CA, USA.. sidfinegol@aol.com
SOURCE: CLINICAL INFECTIOUS DISEASES, (2002 Sep 1) 35 (Suppl 1)
S6-S16.
Journal code: 9203213. ISSN: 1537-6591.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200208
ENTRY DATE: Entered STN: 20020829
Last Updated on STN: 20020830
Entered Medline: 20020829

AB Some cases of late-onset (regressive) autism may involve abnormal flora
because oral vancomycin, which is poorly absorbed, may lead to significant
improvement in these children. Fecal flora of children with regressive
autism was compared with that of control children, and clostridial counts
were higher. The number of clostridial species found in the stools of
children with autism was greater than in the stools of control children.
Children with autism had 9 species of Clostridium not found in controls,

whereas controls yielded only 3 species not found in children with autism. In all, there were 25 different clostridial species found. In gastric and duodenal specimens, the most striking finding was total absence of non-spore-forming anaerobes and microaerophilic bacteria from control children and significant numbers of such bacteria from children with autism. These studies demonstrate significant alterations in the upper and lower intestinal flora of children with late-onset autism and may provide insights into the nature of this disorder.

=> d his

(FILE 'HOME' ENTERED AT 12:14:07 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 12:14:30 ON 29 JUL 2003

L1 0 S PERSVASIVE DEVELOPMENTAL DISORDER
L2 9512 S AUTISTIC DISORDER
L3 23448 S PSYCHOTIC DISORDER
L4 11320 S NITROIMIDAZOLE
L5 55148 S METRONIDAZOLE
L6 3 S (L2 OR L3) (P) L5
L7 2 DUPLICATE REMOVE L6 (1 DUPLICATE REMOVED)
L8 2046 S TRINIDAZOLE OR ORNIDAZOLE
L9 0 S (L2 OR L3) (P) L8
L10 0 S (L2 OR L3) (P) L4
L11 8971 S MISONIDAZOLE OR ETANIDAZOLE OR NIMORAZOLE
L12 0 S (L2 OR L3) (P) L11
L13 2 S BOLTE ELLEN/AU
L14 1 DUPLICATE REMOVE L13 (1 DUPLICATE REMOVED)

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
38.82

TOTAL
SESSION
39.03

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 12:22:29 ON 29 JUL 2003